

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stan Gronthos, et al.  
U.S. Serial No. : 10/551,162  
Filed : as S371 national stage of PCT  
International Application No.  
PCT/AU2004/000416  
For : PERIVASCULAR MESENCHYMAL PRECURSOR  
CELLS

1185 Avenue of the Americas  
New York, New York 10036  
April 27, 2006

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In order to ensure compliance with applicants' duty of disclosure under 37 C.F.R. §1.56 and §1.97(a)-(d), applicants request that the following documents be considered and made of record in the above-identified application which is listed on Form PTO-1449, attached hereto as **Exhibit A**:

1. International Search Report issued by the International Searching Authority (ISA/AU) on May 17, 2004 in connection with International Application No. PCT/AU2004/000416 (**Exhibit 1**);
2. International Publication No. WO 2001/004268 A1, MEDVET SCIENCE PTY LTD, published January 18, 2001 (**Exhibit 2**);
3. Shi S, Robey PG, and Gronthos S. (2001) Comparison of Human Dental Pulp and Bone Marrow Stromal Cells by cDNA Microarray Analysis. *Bone* 29(6): 532-539 (**Exhibit 3**);

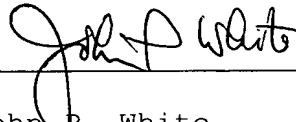
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Page 2

4. Jones EA, Kinsey SE, English A, Jones RA, Straszynski L, Meredith DM, Markham AF, Jack A, Emery P, and McGonagle D. (2002) Isolation and Characterization of Bone Marrow Multipotential Mesenchymal Progenitor Cells. *Arthritis Rheum.* 46(12): 3349-3360 (**Exhibit 4**);
5. Gronthos S, Brahimi J, Li W, Fisher LW, Cherman N, Boyde A, DenBesten P, Gehron Robey P, and Shi S. (2002) Stem Cell Properties of Human Dental Pulp Stem Cells. *J. Dent. Res.* 81(8): 531-535 (**Exhibit 5**); and
6. International Preliminary Report on Patentability issued by the International Bureau of WIPO on October 1, 2005 in connection with International Application No. PCT/AU2004/000416 (**Exhibit 1**).

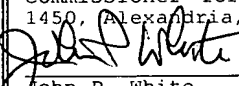
Copies of documents numbers 1-6 are attached hereto as **Exhibits 1-6**, respectively.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

John P. White      April 27, 2006 Registration No. 28,678      Date

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/551,162
		Filing Date	\$371 of PCT/AU2004/000416
		First Named Inventor	Stan Gronthos
		Art Unit	
		Examiner Name	
Sheet 1	of 2	Attorney Docket Number	75190/JPW/JW

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	International Search Report issued by the International Searching Authority (ISA/AU) on May 17, 2004 in connection with International Application No. PCT/AU2004/000416	
	3	Shi S, Robey PG, and Gronthos S. (2001) Comparison of Human Dental Pulp and Bone Marrow Stromal Cells by cDNA Microarray Analysis. Bone 29(6): 532-539	
	4	Jones EA, Kinsey SE, English A, Jones RA, Straszynski L, Meredith DM, Markham AF, Jack A, Emery P, and McGonagle D. (2002) Isolation and Characterization of Bone Marrow Multipotential Mesenchymal Progenitor Cells. Arthritis Rheum. 46(12): 3349-3360	
	5	Gronthos S, Brahim J, Li W, Fisher LW, Cherman N, Boyde A, DenBesten P, Ghebron Robey P, and Shi S. (2002) Stem Cell Properties of Human Dental Pulp Stem Cells. J. Dent. Res. 82(8): 531-535	
	6	International Preliminary Report on Patentability issued by the International Bureau of WIPO on October 1, 2005 in connection with International Application No. PCT/AU2004/000416	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Exhibit A

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	2
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of

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**Complete if Known**

Application Number	10/551,162
Filing Date	\$371 of PCT/AU2004/000416
First Named Inventor	Stan Gronthos
Art Unit	
Examiner Name	
Attorney Docket Number	75190/JPW/JW

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
	2	WO 2001/004268 A1	01-18-2001	Medvet Science Pty Ltd		

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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